NUTTER, McCLENNEN & FISH

ONE INTERNATIONAL PLACE **BOSTON, MASSACHUSETTS 02110-2699**



COUNSEL LONDON TOKYO

(617) 439-2000

SDMS DocID

TELEX 940790 TELECOPIER (617) 973-9748

> October 5, 1987 2346-47

Ms. Barbara Newman Project Officer U.S. Environmental Protection Agency Region 1 JFK Building Boston, Massachusetts 02203

> Information Request to Wildwood Conservation Corp., dated September 17, 1987

Dear Ms. Newman:

This will confirm our discussions with respect to the above-captioned information request. In light of the voluminous nature of the requested information and because Mr. Riley, the principal officer of Wildwood Conservation Corp. ("Wildwood") is away on vacation, I have requested an extension of the time within which Wildwood may respond to the Environmental Protection Agency's request until In the meantime, pursuant to our discussion, October 19. I have undertaken to provide information regarding Production Well No. 2 and its pumping history. Information concerning present usage of the well should be obtained from the Riley Leather Company, Inc., 228 Salem Street, Woburn, MA, the company which has run the tannery business since May 1985. The information contained in this letter and any additional responsive information will be incorporated into a formal response to be sent to EPA on October 19.

Production Well No. 2 ("PW2") was installed in 1958 and is located in a well house approximately three feet high located in the southwest corner of the Wildwood property. It is a gravel-packed well about 45 feet in depth. Please see the enclosed documents for additional information describing Water from PW2 is used only in connection with the well. the tannery's leather making process. There is little documentation concerning actual pump rates. Enclosed please find copies of documents, principally Metropolitan District Commission permit applications, which gives certain water volume figures, but these numbers reflect water pumped from both PW2 and PW1, located on the tannery property.

HYANNIS WASHINGTON SAN FRANCISCO OTIA OJAG AMSTERDAM

Ms. Barbara Newman October 5, 1987 Page 2

For some time periods, although I am not certain when, PW2 was the only well used. According to Mr. Riley, the volume of water used depended on production levels. Over the years from the date of installation in 1958 to 1985, gallonage per day used in the process could vary in an approximate range of 250,000 to 400,000 g.p.d. PW2 was used for as much as eighteen hours a day, with principal use during a ten-hour period. PW2 was pumped for five days a week, sometimes six, and for approximately 50 weeks of the year. The pumping rate per minute varied but might be as high as 1000 g.p.m. on rate occasions. PW2 was not in use when the tannery was not operating, i.e., for holidays or vacation, or if it broke down.

Please call me if you have any questions with respect to this matter.

Very truly yours,

Mary K. Ryan

MKR: jmh
Enclosures



August 27, 1968

J. J. Riley Co. Salem Street Woburn, Massachusetts 01801

Att: Mr. John J. Riley Jr.

Per Wells No. 1 and 2

Gentlemen:

At your request our firm conducted performance tests on your existing gravel packed wells No. 1 and 2 with the following results.

Well No. 1. (Attached Pump Test Log)

This well was test pumped at a rate of 305 gallons per minute to waste with a pumping level of 26°, or an actual drawdown of 13°±. At this rate it was determined that the well is capable of delivering approximately 25 GPM per foot of drawdown.

Well No. 1 is approximately 38° in depth, equipped with 12° of 24° screen (top set at 26°). Please note that the pumping level during our test was at the top of the screen.

On the original pumping test of the newly constructed well in April of 1945, the static water table was approximately 3° below the original ground level. The test was conducted at the rate of 410 GPW with an actual drawdown of 15°, or a specific yield of 26 GPW per foot of drawdown.

The specific yield of the original test and the one recently performed are basically identical, with the exception that the static water level is approximately 10° lower now. This can be accounted

J. J. Riley Co.

-2-

Aug. 27, 1968

for by the fact that your No. 2 well is having an effect on the ground water table, and also the City has installed wells in the same general area and these, too, are affecting the water table.

In order to maintain the capacity of this No. 1 well, we recommend that the pumping level not exceed a depth of 25%, or 1% above the top of the screen. Using a 25% pumping level, you should be able to realize a maximum capacity of approximately 275 GPM, provided the ground water table is not further affected by lack of precipitation and/or over pumping.

Well No. 2. (Attached Pump Test Log.)

The information obtained during this test was limited due to the fact that we could not measure the capacity, but could only obtain pumping levels.

This well is approximately 49'6" in depth, equipped with 15' of 24" screen (top set at 34'6").

Our first reading (li) was taken at 7:35 a.m. The pump was running at this time, but we presume that there was little or no demand on the system, so we are using this li! figure as the static water level. During our tests we had a maximum pumping level of 30.6 below the head of the pump, or approximately i! above the top of the well screen. The actual drawdown considering that li! is the correct static, was 16.6. Since we do not know the pumping rate at the time of the water level readings, we cannot establish whether the well has fallen off in capacity or not, but do know that the static water table in this site is also being affected.

If the ll! measurement is the correct static water level, the ground water table at this site has been lowered approximately 15'+.

In order to perform a true performance test on the well, it would be necessary to have the well shut down for a period of time, perhaps over a week end, so that we could get a true static water level. At this time we would install a temporary blow-off on the pump head and conduct a pump test measuring drawdown, capacity and pressures on the pump, while pumping to waste and not to the system.

J. J. Riley Co.

-3-

Aug. 27, 1960

We trust that we have covered everythink, but should wou desire any additional data please feel free to call.

Yours truly

D. L. MAHER CO.

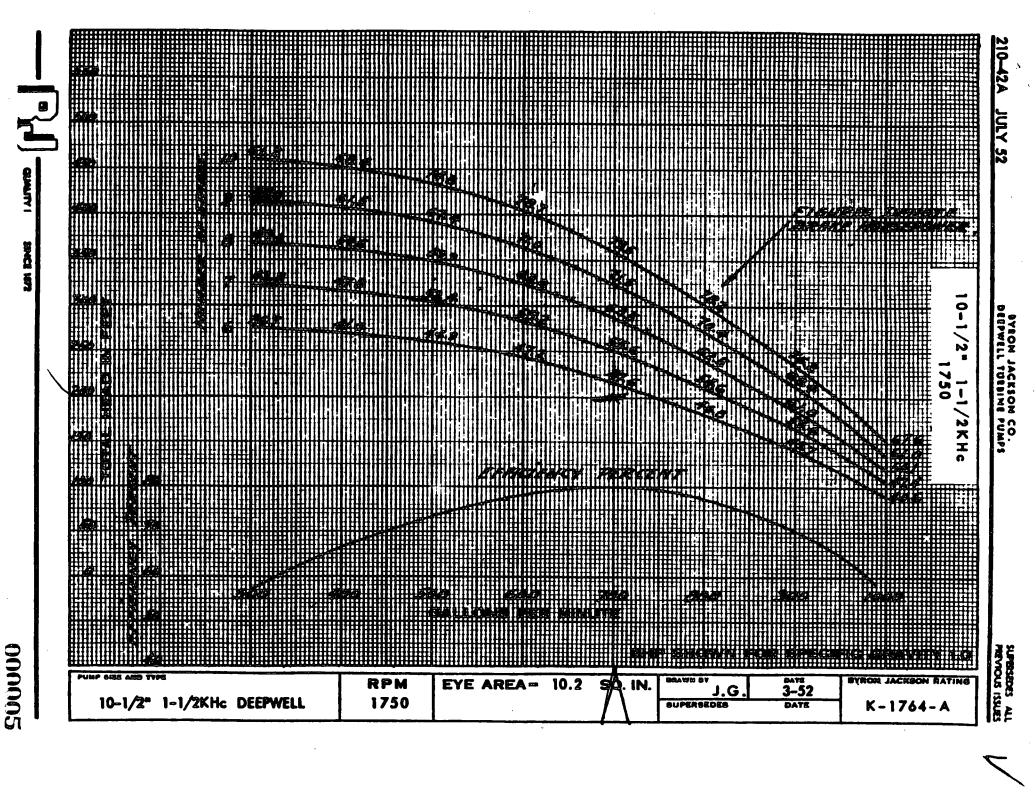
Edward J. Maher Vice President

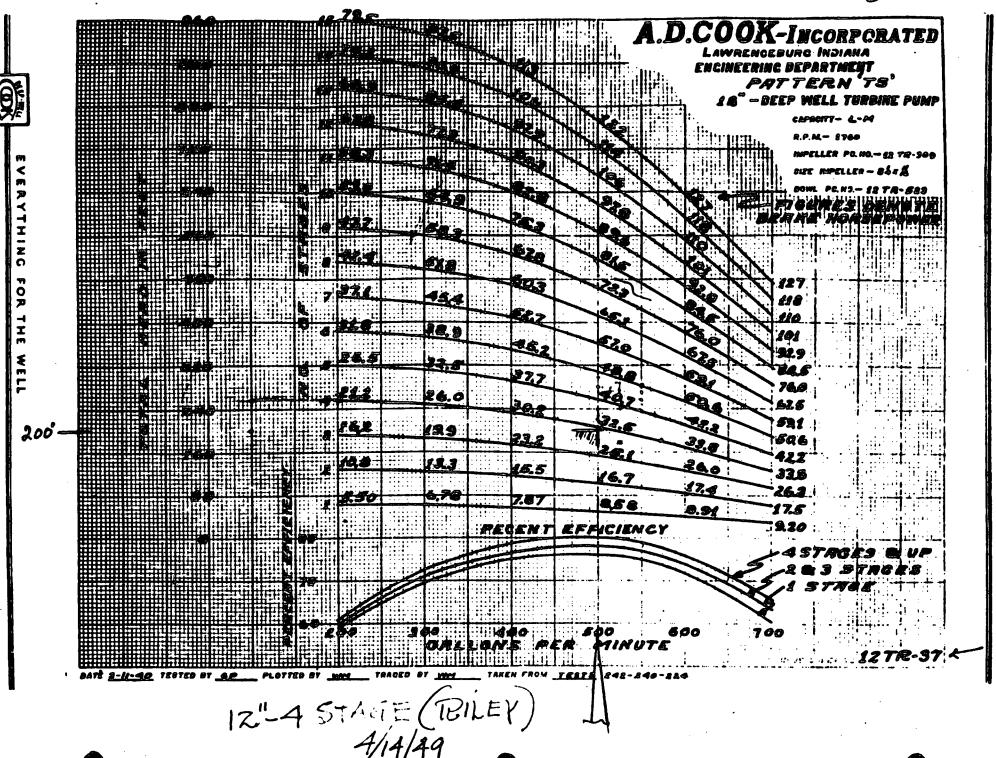
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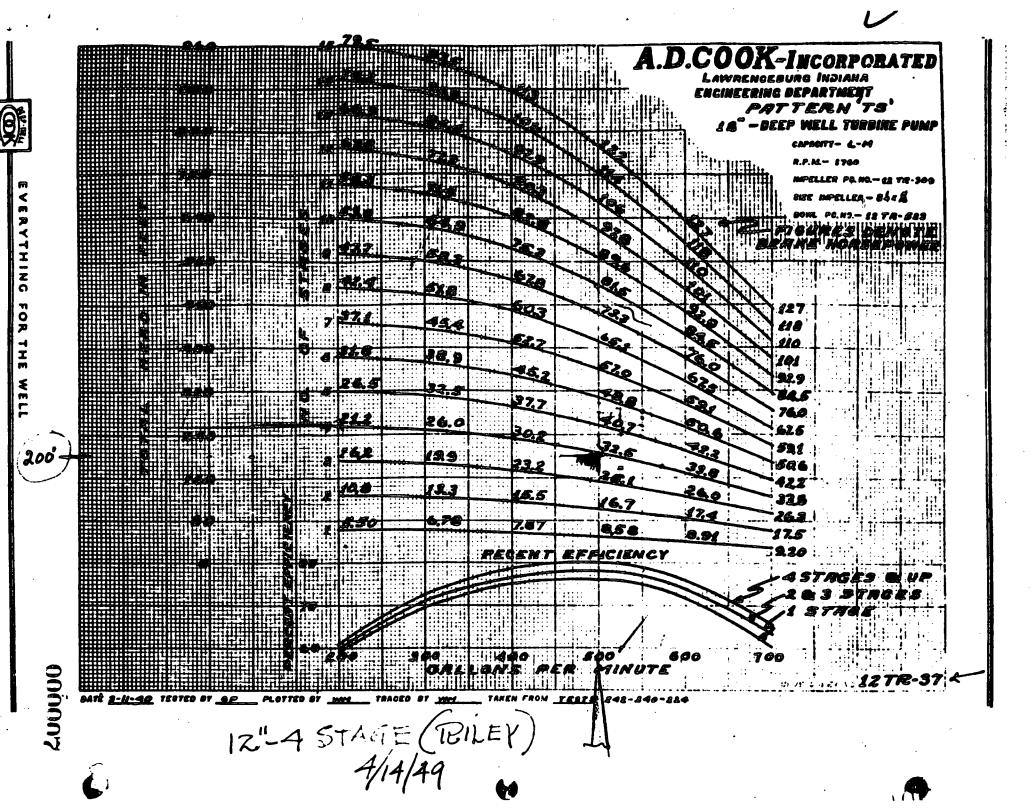
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KH-4 Stage 50 th







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000008

March 17, 1960

John J. Riley Company
228 Salem Street
Woburn, Massachusetts
Attention: Mr. John J. Riley Jr.
Gentlemen:

We are enclosing check in the amount of ten dollars (\$10.00) to cover yearly rental for certain space alloted to the D. L. Maher Company for stoping casings, etc.

Mr. Maher advised us to state that the responsibility for any loss of equipment from this rented space, or any accidents to our men or equipment incurred while on your property is wholly our responsibility.

We wish to thank you again for your kindness in making it possible for us to have this space at this time.

Very truly yours,

D. L. MAHER COMPANY

Robert J. Walsh Vice President

RJW/brb encl.

Roport of Tests RUN On Wells of J.J Riley Woburn ReOpening of DID Well 6" Pupa 4" Orfice Time Basel Pressure Office GPA Down To.
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D. L. MAHER CO. RECORD OF TEST

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D. L. MAHER CO. RECORD OF TEST

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J.J. Rilay

No. 4999

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OUR ORDER NO.

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QUANTITY	DESCRIPTION		PRICE	AMOUNT
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1	3.J. 50np 3/60/220, 1750 rpm, submotor	į		3,325.00
	(note: Air freight charges will be forward received)	led when		
	Common carrier - logan to Borth Reading			10.40
10	1/2" x 2-1/4" 30455 hex cap screws			5.30
3.3	1/2 x 1-1/2° 30455 * * *	i i		10.00
39	1/2 314 SS how nuts	ļ		15,20
30	1/2 304 SS issakesskers	<u>.</u> ()	·	4.30
1 10 1	3° hard gasket 3/4°x3° cad. hex mahead bolts and suts 1/4° compression union			1.00 6.00 .51
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3	Tax exempt 1061-774-746			

No. 4799

INVOICE DATE 3040072 29, 1971 281-5-71 J.J. Riley 228 Sales Street F. O. B. Woburn, Mans. अक्ट्रे और वेतप्रव SHIPPED VIA P=0. 0/1 COLL PRICE QUANTITY DESCRIPTION /9/71 (Saturday) - disconnected pipe line, gate would not close tight, waited for line to dwainremoved wall cover and pulled cump up to top of well. Motor seised up. 13.00 130.00 pump man, including travel 10 brs. (overtime) 11.00 helper, including travel 10 hrs. (overtime) .15 Hileage (pump rig) 15 mi. 75.00 Equipment, pump rig 1 day 1/11/71- removed pump-load column and materials and return to N. Reading 10.50 52.50 pump man, including travel ATS. 3.00 45.00 helper, including travel hrs. 2.25 Dead tresely... 2.25 JOHN J. RILEY COMPANY 37.50 WOBURN, MASSACHUSETTS 01801 DATE REFERENCE AMOUNT BALANCE DISCOUNT 34.00 19.59 4.999 4,878.66 4.878.66 72.00 16.50 2.25 2,25 NCR PARER PATENTED BY NCR CS

No. 5018

J.J. Rilay 228 Sales Street Woburn, Mass.

IMVOICE DATE TERMS F. O. B. BALESMAN

SHIPPED VIA

QUANTITY	DESCRIPTION	PRICE	AMOUNT
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1	Gould 3770 Size 30L		
	All iron centrifugal pump		343.60
	Sales eam 38 Hass. Tax		13.29
	TOTAL		3353.29
	Pd-M1		

JOHN J. RILEY COMPANY WOBURN, MASSACHUSETTS 01801

DATE	REFERENCE	AMOUNT	BALANCE	DISCOUNT
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REMITTANCE ADVICE

D. S. MARKER CO.

No. 5465

J.J. Riley Company 228 Salem Street Moburn, Mass.

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INVOICE DATS		
Santamber 70	1372	
OUR ORDER NO.		
728-5-72		
YOUR ORDER NO.		
TERMS	F. O. B.	
net 33 dave		
SALESMAN -		

SHIPPED TO			SHIPPED VIA		FPD. 24 COLL.
QUANTITY	DESCRIPTION	ON		PRICE	AMOUNT
6	6° ring gaskets				9.30
43	3/4x3" hex bolts & nats		,5		23.60
50*	6° pipe	$(\cdot) \cap $			31.36
31	l" pipe	1/(1-	- 10		2.00
3	2° x 6° mipples) !		5.85
1	2°x6° nipple				1.31
2 1	2° blk mall elbows	$\cdot \cdot \cdot \cdot ((i))$	1		4.54
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•	1/4° gas cock	•	į		3.50 3 . 30
•	1/4 945 0002		i		3.33
7	bracket for gauge				3.50
4	3/4°x4° stude	•			2.40
4	5/8x4° studs				2.00
3	3/4 nuts	:	į		1.60
340	3/8 O.D. plastic rubing	1			6.40
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No. 5465

J.J. Riley Company 228 Salem Street Woburn, Mass. SEPTEMBER 20, 1972
OUR ORDER NO.

TERMS F.O.B.

TERMS F.O.B.

	•	BALESMAN	
	<u>·</u>		-
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12 hrs.	Aug. 22, 1972 - developing well machine hours	45.00	540.00
8 hrs.	Aug. 23, 1972 - Finished developing, p pipe, loaded truck, & returned to shop machine hours	ulled surge 45.00	360. 09
4 hrs.	Aug. 24, 1972 - tear down rig	45.00	100.00
0 hrs. 1/2 hr. 3 hrs. 1/2 hr.	Sept. 6, 1972 - set pump a started mak connections service man overtime helper overtime hydraulic rig	11.00 13.75 9.50 11.80	88.00 5.97 76.00 5.75 105.00
20 mi.	Sept. 7, 1972 - Finished pipe line & b grouted 24 casing & ran pump to waste	Low-off pipe.	3_00
3 hrs. 1-1/2 hrs 9 hrs. 1-1/2 hrs	service ma overtise beloor	11.60 13.75 9.50	89.00 29.62 76.60 17.25
10.00	aydramlio rig	CONTROL CO. A. C.	105.00 2.70
22-1/2 b	"rtarials	11,00	247,50
1	filter gravel 3/8 x 3/16	P& #lot	935.60 12.31 175.00
36"	24° 21pa		36,90

No. 5455

J.J. Riley Company 228 Salem Street Woburn, Mass. INVOICE DATE

SOTTOMOT 30, 1972

OUR ORDER NO.

TERMS

F.O.B.

SALESMAN

MIPPED TO SHIPPED VIA IPPO, OR COLL QUANTITY DESCRIPTION PRICE AMOUNT Aug. 3, 1972 - inspecting pusp 2 hrs. service man 11.30 22.09 25 mi. mileage .15 3.75 Aug. 4, 1972 - Pull 50HP pump & return all to shop 3-1/2 hrs. service man 11.00 33.50 3-1/2 hrs. helper 9.50 33.25 3-1/2 hrs. helper 9.50 33.25 hydraulic riq 45.00 25 mi. mileage .15 3.75 Aug. 11, 1972 - Set 36°-11" of 12" casing, break to old foundation and weld nine 3 hrs. gervice man 11.00 33.33 2-1/2 113. overtime 13.75 34.37 9 hrs. halper 5.53 76.00 2-1/2 hrs. overtime 11.59 23.75 hydraulic rig 105.00 23 mi. mileage .15 3.75 Aug. 14, 1972 - set w 3-1/2 hrs. sachine time 45.00 157.50 Aug. 15, 1972 - welded 12° casing & guides, bailed machine E 8 hrs. 45.80 360.00 Aug. 16, 1971 - hat 12 semme set surge pipe -1/2 has maching time (49.00)

All 1/2 1/2 - Install the entrant a paid of the latter 203.50 I lies 135.00 Aug. 18, 1971 - Falled 12" cealing back to 9"-6" to expose screen & started developing 9 hr. machine hours 45.00 405.00 The state of the s * ***

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James 29,	1981
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	, <u>, , , , , , , , , , , , , , , , , , </u>				
		1000		ALL BALA	NCES
			EXCEEDIG	45 DAYS	

COPY

D. L. MAHER CO.

February 12, 1980

J.J. Riley Salem ST Woburn, MA 01801

Att: Mr. Jack Riley

Dear Jack:

On January 13, 1981, we began testing by driving and washing 24" pipe on the easterly side of the railroad track. Wells were driven at three locations with the following results.

Well 81-1

This site was 300' north of the existing gravel packed well parallel with the railroad track. The well was driven to 26' through fine to coarse brown sand. Refusal was at 26', then the well was pulled.

Well 81-2

This site was located northeast from the existing well adjacent to the dirt road.

The material found was:

o to 28' Fine brown sand
28'to 35' Fine to coarse brown sand with traces of clay
35'to 42' Fine to coarse brown sand with traces of clay
42'to 49' Fine to coarse brown sand with fine to medium gravel
49'to 56' Fine to coarse brown sand with fine gravel

The well was pulled back to 49° and a 40 slot screen was set. The well pumped 20 GPM @ 26" vacuum. No observation well was driven and this well was removed after tests on 81-3.

Well 81-3

The site is located approximately 15-20° from the edge of the swamp, northeast from the existing well, east of the dirt road and sewer main.

The well was driven and washed to refusal at 57' through the following materials.

o to 35' Fine to coarse brown sand with traces of clay
35' to 42' Fine to coarse brown sand, fine gravel with traces
of clay

42' to 49' Fine to coarse brown sand and fine to medium gravel

49' to 57' Fine to coar brown sand

The well was pulled back to 49' and a 30 slot screen was set.

The well pumped 50 GPM @ 21" vacuum. An observation well was driven to 49', two feet from well 81-3. A 30 slot screen was set.

Well 81=3 was test pumped at 50 GPM with a drawdown in the observation well of 1 foot 4 inches, a specific capacity of 37 GPP.

On January 23, 1981, the existing well was pumped at 586 GPM for an hour fifteen minutes. Well 81-3 had a drawdown of 6".

After analyzing the material and studying the test results, we recommend and propose the following:

To furnish all equipment, labor, and materials to construct a 24" x 18" gravel packed well to a depth of 49' with 10' of stainless steel well screen. Developed and test pumped for one hour.

The well will have a capacity of up to 700 GPM as determined by the pump test.

PRICE: \$ 40,600.00

Not included: Site preparation, permits, access across MDC right of way, taxes, structures.

The pumping equipment would be sized after the pumping test, but a budget figure could be \$17,000.00 to duplicate what you presently have. An alternate would be a turbine pump at approximately \$11,000.00. Neither price includes installation, an additional \$1,500.00.

Not included: Discharge gate valve, check valve. Included: Electrical, structures, taxes.

On January 23rd the existing well was test pumped at 586 GPM for one hour fifteen minutes with a drawdown of 27°-64° or a specific capacity of 21.3 gallons per minute per foot of drawdown (gpf). The well when originally installed showed 51 GPF after a 24 hour pump test. A similar test (1.25 hr.) in 1977 showed a capacity of 66 GPF after chemical treatment and redevelopment. During the test, grab samples were taken without any trace of sand. The well is plugged by either mineral encrustation, iron bacteria growth or sand locking andl has fallen off 65% since 1977.

Immediate treatment would involve injecting chlorine into the well followed by 1000 gallons of water to push it into the formation. This is followed by muriatic acid and another 1000 gallons of water. Let this stand overnight and then pump to waste. There is a good chance this will temporarily improve the GPM/ft. of drawdown. Two days would be sufficient to accomplish this treatment. Labor would be at the published service rates for chemical injection and setting up the discharge. Pumping to waste, monitoring PH and line neutralizing will be done by Riley personnel.

The submersible motors will be sent to L.A. after M.B.C. returns

on they are inspecting. Inher the pump will be dismantled, cleaned and inspected and then you will receive a written report of the condition and estimated repair costs. A 50HP exchange motor and cable are on order and are scheduled for the third week of March. Byron Jackson made a mistake when they said there were eight 220 volt motors - they were 440. We apologize for Byron Jackson's error and they will do everything to expedite the delivery.

I believe this covers everything, but should you have any further questions, please do not hesitate to call.

Sincerely,

D.L. MAHER CO.

Denis L. Maher Jr.

pag

Encs.

Pileys Sept 22,1977 /

Thur 12:00 -4:30 Set up rig + TiB

Sept 23,1977

Fri 7:00-8:00 Load Truck Go to MANNS

for Chemicals

8:00-11:00 Pull Pump Put in Bleach

11:00-12:00 Set Surge Pipe

12:00-12:30 Lonch

12:30-4:00 Pump Bleach to waste

4:00-5:00 Put in Hold of Dry Surge

Well showing 28 G.P.F.

Sept 26,1977
Mon. Tico-3:00 Lead Drill Bar
8:00-11:00 Put on Drill + Hook up 4" Pump
Adjust Cluthes on rig
11-00-12:00 mio, Surge + Dry Surge

Tues 12 min - 12 moon Surge + Dry Surge
12:00-4:00 PULL Star Surge Pipe Take
down Tib - Load Truck
Well showing 66 G.P.F.

MATERIALS - 30 GAIS BLEACH - 250 165 Acid

PLOCEUX NO - CONCORD ST

1803C

100 S/13/8/ 100 SACE BATE RESELL 29, 1381.

P. E.

YOUR ORDER NO.

Bet 15 days

.....

SHIPPED VIA PRICE DESCRIPTION QUANTITY AMOUNT Inspection of 2nd Submersible Motor \$ 100.00 Shop labor to disassemble, clean and re-essenble, paint bowl assembly 71 hours 8 \$24.50 per hour 183.75 \$ 283.75

V

D. L. MAHER CO. LOG OF TEST WELL

Log of	Well for	I. J. Riley	Test No. 81-1
4	Address	Jalem 5.t.	
Well	Dailling assessed		We Burn County, State of Mass.
Date	Fotal depth to b	ottom of Well 26	Date Test Hole Completed ///3/8/ Diameter Test Hole 3/2
Water s	tands when not	pumping feet.	inches from the surface of the ground.
EACH TRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM	
0'	- 26'	Fine Brown Sand to Coarse Brown	Did Well Clear Up?
· .		to Coarse Brown	How Long?
		Sand	Time Pumped?
			Drawdown Ft. In.
			Capacity
2	6	"Re Fusa/"	Time Required for Recovery?
·			Was Well Pulled? 1905
			Observation 00 What Depth?
			Was Observation Well Pulled?
			Map of Location
			- Salem S.t
			Aberlona Gravelp
		<u> </u>	
	·		
			Ø90-1
Remark	s and opinion of	To pulled well	nut
**********	•••••••••••••••••••••••••••••••••••••••	·	
			Driller Green France
		· · · · · · · · · · · · · · · · · · ·	Helpen Jale amalalan
			000029

D. L. MAHER CO. LOG OF TEST WELL

Wasan annada mhan nas nasan-in-	Diamete	Test Hole 2/2
water seands when not pumping		Test Hole 2/2 inches from the surface of the ground.
	ATION FOUND H STRATUM	
0' - 28' Fine	Brown Sand Did Well Cle	ar Up? yes
	\\\\\	31/2 hrs
78' - 35' Fine 1	Brawn Sand Time Pumped	? / h.c.
to Coa	rse Sand Drawdown	Ft. In.
and tra	ces of Capacity	30 GRM 36"Vac. at 49"
C/ay	Time Required	d for Recovery?
	Was Well Pull	led? 10
35'-42' Fine B	Prown Sand Observation	10 What Depth?
to Coar	se Sand	-
and tr	aces of Clay Was Observan	ion Well Pulled?
42' - 49' Fine B	ruwa Sand	
to Coar	se Sand Map of Locat	
and Fil	ne to med	Salem Sit
Grave	/ ase	upona Grave to
49'- 56' Fine B	Brown Sand	
to Coa.	rse Sand	81-2
	ne Gravel	R E
56' ReFu	sal"	
Remarks and opinion of Test Pulls	ed Well Back to 49	seta 40 slat

000030

D. L. MAHER CO. LOG OF TEST WELL

Log of	Well for J	J Riley	Burn Test No. 81-3-34
	Address	J Riley In Wo	Burn
Well	located at	in Riey in	Wo Burn County, State of Mass.
Date	Drilling started	1/15/8/	Date Test Hole Completed 1/19/81 Diameter Test Hole 2/2
Water s	tands when not	pumping feet.	Diameter Test Hole 22
ACH ATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM	·
0'-	-35	Fine Brown Sand	Did Well Clear Up? yes
·		and some Coarse	How Long? 5 his Developing Time
		and traces of Clay	How Long? 5 his Developing Time Time Pumped? 7 his and 4 his pump To
35-1	-42'	Fine Brown Sand	Drawdown / Ft. 4 In.
		Coarse Sand	Capacity 50 6.8M 21" Vac. at 49"
		and fine Gravel	Time Required for Recovery? 1/2 h.r.
		and traces of Clay	Was Well Pulled? NO
			Observation yes What Depth? 49'
42'	49'	Fine Brown Sand	50 G.PM 22" at 49"
		Coarse Soud and	Was Observation Well Pulled? 10
		Fine to med	
		Gravel	Map of Location
			Salem S.t.
49'	57'	Fine Brown Sand	ABerJona Fraud +
		and Course Saud	
			8/34 81-3
5	7′	"Refusal"	> 3'00.
			1 1 1
			1. to 110/ 0 Cian/ 10 C7/

Remarks and opinion of Test pulled Well Back to 48 Refusal S 57 and O.B. well is 48 set a 30 stot screen in well and a 30 slot screen in well and a 30 slot screen in well and a 30 pumped 50 G.P.M

Detter Skred Savil Savil Server Skred Savil Skred Savil Skred Skred Savil Server Skred Savil Skred Skred Savil Skred Skred Savil Skred Skre

April 15, 1958

John J. Hiley Co. 228 Salem Street Woburn, Massachusetts

Re: Turbine Pump for Gravel Well No. 2

Attention: Mr. John J. Riley, Jr.

Centlemani

Submersible Hotor and Turbine Pump for a capacity of 700 3. P. H. against a Total Dynamic Head of 200 ft.

1 - 12" h Stage Pump 35 ft. of 8" Column

1 - Surface Plate

1 - 50 H. P. Submersible Motor 3/60/220 Volt 1760 R. P. H. Base Cable #1/0 plus 35 ft. of extra cable

Price - P. O. B. Factory, Freight Allowed to Woburn, Mass. - \$4400.00

We would be very glad to give you a sketch of a concrete block pump chamber for this unit. If you wish as to do so, please advise Mr. Maher.

You will require an 8^o Cate Valve and an 8^o Non-Slam Check Valve to be located in the pump chamber.

Any installation charges for this pump would be approximately one hundred and seventy-five dollars (\$175.00).

April 15, 1958

John J. Riley Co. - Page 2

You would want to arrange for your electrician to bring the Power lines down to the pump chamber.

Any further details you may require, please advise.

Very truly yours,

D. L. MARER COMPANY

Robert J. Walsh Vice President

RJ#: omt

Approved - John J. Riley Co.
By

Kirkland 7-1438 . WOburn 2-0049 . WOburn 2-2046

GRAVEL WALL AND DRIVEN WELLS . MUNICIPAL . INDUSTRIAL . DOMESTIC SUPPLIES

BYRON-JACKSON CO., PUMPS
TURBINE AND SUBMERSIBLE

38B BRATTLE STREET CAMBRIDGE 38, MASS.

April 15, 1958

John J. Riley Co. 228 Salem Street Woburn, Massachusetts

Re: Turbine Pump for Gravel Well No. 2

Attention: Mr. John J. Riley, Jr.

Gentlemeni

We wish to quote you a price for a Byron Jackson Mercury Sealed Submersible Motor and Turbine Pump for a capacity of 700 G. P. M. against a Total Dynamic Head of 200 ft.

1 - 12" 4 Stage Pump

35 ft. of 8" Column

1 - Surface Plate

1 - 50 H. P. Submersible Motor 3/60/220 Volt 1760 R. P. M. Base Cable #1/0 plus 35 ft. of extra cable

Price - F. O. B. Factory, Freight Allowed to Woburn, Mass. - \$4400.00

We would be very glad to give you a sketch of a concrete block pump chamber for this unit. If you wish use to do so, please advise Mr. Maher.

You will require an 8" Gate Valve and an 8" Non-Slam Check Valve to be located in the pump chamber.

Any installation charges for this pump would be approximately one hundred and seventy-five dollars (\$175.00).

signed & no fermed 2/20/20 JJK.

Telephones

KIrkland 7-1458 · WOburn 2-0049 · WOburn 2-2046

GRAVEL WALL AND DRIVEN WELLS . MUNICIPAL . INDUSTRIAL . DOMESTIC SUPPLIES

BYRON-JACKSON CO., PUMPS TURBING AND SUBHERSIBLE

38B BRATTLE STREET CAMBRIDGE 38, MASS.

April 15, 1958

John J. Riley Co. - Page 2

You would want to arrange for your electrician to bring the Power lines down to the pump chamber.

Any further details you may require, please advise.

Very truly yours,

D. L. MAHER COMPANY

Mist) Walch

Robert J. Walsh Vice President

RJW: cmt

Approved - John J. Riley Co.

By John) Kali

Date Received_	
Application No	

Application for A Permit to Discharge Wastewater into the Sewerage System of the Local Municipality and the Metropolitan District Commission.

Instructions: Complete the following sections. Use extra sheets if needed and label each supplemental sheet by placing the Applicant's name at the top of the page.

Part I

General Information

1.	Date of App	lication November	10, 1978		
2.	Type of App	lication Existing dis	scharge X	Proposed di	scharge
3.	Business Na	me of Applicant John	J. Riley Compa	any	
	Address_	228 Salem Street street,	Woburn, Ma.	Zip Code	01801
	Tel. No.	233-5900			
4.	Name of Appidisposal:	licant's on-site repres	entative in char	ge of wastewate	er
	Name	Charles J. Sheehan	Title		·
	Address_	228 Salem Street, W	Voburn, Ma.	Zip Code	01801
	Tel. No.	933-5900	·		
5.	Name of Appl	licant's authorized age	nt for signature		
	Name	John J. Riley, Jr.	Title	President	

Address 228 Salem Street Woburn, Ma.	Zip Code 018	01
street, city or town		
Tel. No. 933-5900		
·		
6. Principal Products or Services		
A) Indicate principal products or service:	s	
•		
Leather for Shoes and Handbags	•	
	,	
•		•
B) Indicate applicable SIC Codes (if know	n) 3111	
		
C) Indicate average production or service	levels per veer	
c) indicate average production of service	revers per year	
·		
7 Tong of amountion, list materials and support		•
7. Type of operation: List materials and quantition in manufacturing products or providing services.		#6
above. 1bs./yr.		lbs./yr.
	-	160,000
Sodium sulfhydrate 250,000 Sodium Lime 1,100,000 Neutral napht	halene syntan	40,000
Ammonium sulfate 300,000 Dyestuffs		12,000
Sulfuric Acid 475,000 Pigments		-12,000
Calcium formate 140,000 Sulfated marin	ne oils	350,000
Basic Chromium sulfate 300,000 Surfactant Sodium Chloride 1,320,000		61,000
8. Number of Employees 135 Operating	g hours 24 hrs.de	<u>uy-5</u> days wed
Number of	shifts 3	
9. Water Supply		
	11 ()	11
A) Source (eg. public, public utility, well	ii or surface) Ut	ra. OMU MOTT.

B) Volume per year(cubic feet or gallons) 10 mil ou ft/yr.

2 of 9

ē.	gallons/day	Discharge Location Sanitary Sewer	on(check one) Storm Drain or Surface Water
A) Sanitary Wastewater		•	
(domestic only)			
B) Process Wastewater	300,000	300,000	
2) 110000 mas comment	1001000	_1 <u>~~</u>	
C) Water Incorporated		•	
in product	nil		
D) Uncontaminated Water			
(eg.cooling water)	4,000	4,000	
		•	
E) Other(specify)			

11. Seasonal and batch type discharges. Describe duration, process rate or flow, quantity and disposal location of any seasonal or batch discharges.

Operation is a batch operation which taken together result in a fairly uniform rate of discharge. We are limited by our well capacity from using great amounts of water during any given hour.

12. Do you segregate wastewater from non process wastewater?

Yes	Х	No
ies	47	INC

If ''yes'', please describe:

Business	Name	of	Applicant	John	J.	Riley	Со
----------	------	----	-----------	------	----	-------	----

13.	How many discharge connections do you have to the municipal or
	MDC sewerage system, excluding storm drain connections?
	Describe by street name and assign a number to each
	connections:

Connection No. Street Name

Type(s) of wastewater discharging

14. For each connection to the sewerage system listed in Item 13., complete Part II and attach hereto.

On behalf of the applicant, I hereby apply for a permit to discharge the waste(s) described herein to the sewerage systems of the municipality and the Metropolitan District Commission. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief the information submitted is true, complete and accurate.

In filing this application the applicant agrees to abide by the municipal sewer use ordinance or bylaw and the MDC Sewer Use Rules and Regulations adopted under Chapter 92 Massachusetts General Laws, Chapter 705 of the Acts of 1945 and applicable requirements of State and Federal Law.

Authorized Agent	
Title	_

	reprired to the company
	Discharge Connection Number
<u>हैं</u> -	Municipality's Name(eg.Boston) Woburn
•	
•	
	Part II
<u>Characteristics</u> of	of Wastewater Discharges
wastewater and sa	one connection with both process unitary wastewater combined, put er process wastewater and indicate ter.*
1. Volume - gallons per day	
	Volume No. of hours discharged
A) Sanitary Wastewater (domestic only)	
i) Average daily	
ii) Maximum hourly	
iii) Maximum daily	
B) Process Wastewater	
i) Average daily	280,000 gal. 17
ii) Maximum hourly	35,000 gal.
iii) Maximum daily	310,000 gal.
* iv) Types of wastewater, if applicable	· · · · · · · · · · · · · · · · · · ·
C) Uncontaminated Water	
i) Average daily	4,000 gal. 24

1.

	Applicant Name John J. Rilley Company
	Discharge Connection Number
क्र ^{क्} र -	Municipality's Name(eg.Boston) Woburn
	•
	Volume No. of hours discharge
ii) Maximum hourly	175 gal.
iii) Maximum daily	4000 gal.
D) Other	
i) Average daily	
ii) Maximum hourly	
iii) Maximum daily	<u></u>
2. Characteristics of Wastewater	
A) Sanitary (domestic) if available	
BOD ₅	mg/l (milligrams per liter)
Total suspended solids	mg/1
B) Process Wastewater	
i)BOD ₅	2100 mg/1
Suspended Solids	1850 mg/1
Dissolved Solids	mg/1
pH Average	9.0 Range 6.3-10
ii) Metals	Maximum daily Monthly average in mg/l mg/l
Copper	0
Chromium(+6)	0

	Applicant Name John	n J. Riley Company	
	Discharge Connection Number		
	Municipality's Name(eg.Boston) Woburn	
д»	Maximum daily in mg/l	Monthly average in mg/l	
Chromium(+3)	49	119	
Cadmium	0		
Nickel	<u> </u>		
Zinc	0		
Lead	0		
Mercury			
Others:			
	,		
iii) Non metals			
Arsenic	0		
Cyanide	<u> </u>	· .	
Chloride	Unknown		
Sulfate	Unknown	*	
Others:		•	

iv) Hydrocarbons and Asbestos C	ompounds		
phenols	<u> </u>		

	Applicant Name <u>John J. Riley Company</u> Discharge Connection Number		
	Municipality's Name ([eg.Boston] Woburn	
9 77	Maximum daily in mg/l	Monthly average in mg/l	
benzene	0		
esters	0	<u> </u>	
pesticides			
	0		
	:		
herbicides			
	0		
others:			
· · · · · · · · · · · · · · · · · · ·	<u> </u>		
			

C) Other wastewater - If applicable, describe as in 2.B) above.

Applicant	Name_	John	J.	Riley	Company
Discharge	Conne	ction	Numb	er	
Municipali	ty's	Name (eg.E	Boston)	Woburn

3. Pretreatment

For wastewater discharges listed in Item 2.above, describe if applicable:

- a) Pretreatment processes employed or used

 The Tannery uses a catch basin to remove all large objects
 from waste stream and to settle with approximately two hours
 retention time. All the waste passes through bar screens
 before it enters the catch basin.
- b) Efficiency in pretreatment, eg. % removal v
- 4. Water Reclamation, if applicable:

Describe in-plant water reuse and recycling.

Water use has always been held to a minimum at this Tannery. However, in an effort to reduce consumption still further a 5% reduction in water consumption was realized by re-using water remaining in unhairing vessels after the hides had been removed. Also, water is re-used in our Pasting Unit.

John J. Peley Go 228 Salain St. Woburn Massi otten mu John D. Pely Jr. Re. Subpress ble Jamy for Gravel Will

الان ه او س

1-12" A Stage Byron Jackson Jump

35 H of Column

1- Sunface plate Byron. Jackson

1-50 HP. But mer 51 ble tustor 3/60/20V/1760 R P.M.

Base cable #1/0 plus 35' Extra cable

Fruit EO.B. Factory
fraget allowed to Woburn Wass. V

our letter and quotation of April 15,1988

garian 58

000052

Telephones

Kirkland 7-1438 • WOburn 2-0049 • WOburn 2-2046

GRAVEL WALL AND DRIVEN WELLS . MUNICIPAL . INDUSTRIAL . DOMESTIC SUPPLIES

BYRON-JACKSON CO., PUMPS
TURBINE AND SUBMERSIBLE

38B BRATTLE STREET CAMBRIDGE 38, MASS.

April 15, 1958

John J. Riley Co. 228 Salem Street Woburn, Massachusetts

Re: Turbine Pump for Gravel Well No. 2

Attention: Mr. John J. Riley, Jr.

Gentlemen:

We wish to quote you a price for a Byron Jackson Mercury Sealed Submersible Motor and Turbine Pump for a capacity of 700 G. P. M. against a Total Dynamic Head of 200 ft.

1 - 12" 4 Stage Pump
35 ft. of 8" Column 1016 (")

1 - 50 H. P. Submersible Motor 3/60/220 Volt 1760 R. P. M. Base Cable #1/0 plus 35 ft. of extra cable

Price - F. O. B. Factory, Freight Allowed to Woburn, Mass. - \$4400.00

We would be very glad to give you a sketch of a concrete block pump chamber for this unit. If you wish us to do so, please advise Mr. Maher.

You will require an 8" Gate Valve and an 8" Non-Slam Check Valve to be located in the pump chamber.

Any installation charges for this pump would be approximately one hundred and seventy-five dollars (\$175.00).

11 2 CKL-4 57

--

= 287

8"Gote - 127 8" Clark 169 287

000053

Severage Division
Severage Division
Severage Division
Severage Division
Complete Division
Severage Division
Complete Div

Date Received	
Application No.	

Application for A Permit to Discharge Wastewater into
the Sewerage System of the Local Municipality and the Metropolitan
District Commission.

Instructions: Complete the foliation sections. Use extra sheets if needed and label each supplemental sheet by placing the Applicant's name at the top of the page.

	•			4
•		1		
e i	•	Part I	•	
244		General Informati	on	
	L. Date of Application	August 21.	1979	
	2. Type of Application	Existing disch	arge X F	roposed discharge_
	r. the or where			
	3. Business Name of Ap	mlicant TOUR J	RTLEY CÖMPAY	
a vertex	•			
	Address 228 Sc	lem Street	City of toes	Zip Code 01.301
	Scree	36,	CIES OF COMP	· ·
	Tel. No. 022-5	200	_	
	41	:	and the second	
	4. Name of Applicant	on-site represen	tative in charge of	fwatewater
	disposal:			
	Name Edwin	Kaine	Title Tanne	r
	1.13		- The state of the state of	Zip Code
			ty or town	
Y	U.S. POSTAL SERVICE	TO SUA PROPERTY		
• c	ERTIFICATE OF MAILING	augora o		
Received Prom	- J Riles C.			
7226	I he Ist	(1),12,2	-r signature	
not	un Tras 0/86/		_TitlePr	esident
One piece of a	ordinary mail addressed to:	- le mesa	4	
nety	opoletan alest. Com	mosen - per	רא. הא	
20	Somest St	02108		_
MAY BE US	ED FOR DOMESTIC AND INTERNATIONAL		, angle of a comme	600000
FOR INSURA	ANCE - POSTMASTER 3817	9 QPQ:1974-0-534-477		000063
WAY 18/1				

	Address 228 Salem Street-Woburn, Mass. Zip Code 1301
	street, city or town
-	Tel. No. 033-5900
	6. Principal Products or Services
	A) Indicate principal products or services
	Cattle hide tanning
	B) Indicate applicable SIC Codes (is known) 31 TOS
	C) Indicate average production or service levels per year
	7. Type of operation: List materials and quantities used per year
The second second	in manufacturing products or providing services listed in Item #6 above.
The second second	
	8 Number of Employees 115 Operating hours some 16 and
<u> </u>	some 24 hrs. d
	Number of shifts mostly 1 but some 2nd and some
	9. Water Supply Private WE
	A) Source (eg. public, public utility, well or surface) Supply
•	B) Volume per year(cubic feet or gallons) 320,000 Gal/day
	2 of 70,400,000 gal/yr (based upor 220 day/yr

Business	.Vame	of	Applicant		
----------	-------	----	-----------	--	--

10. Water Usage

		gallons/day	Discharge Location	
			Sanitary Sewer	Storm Drain or Surface Water
A)	Sanitary Wastewater (domestic only)	· · · · · · · · · · · · · · · · · · ·	··	
B)	Process Wastewater	280,000		· ~
C)	Water Incorporated in product	NONE		
D) -	Uncontaminated Water (eg.cooling water)	NONE		
E)	Other (specify)		:	

Seasonal and batch type discharges. Describe duration, process rate or flow, quantity and disposal location of any seasonal or batch discharges.

Entire operation is composed of batch type sub-operations. The process flow, duration and quantity of these sub-operations is highly variable and dependent upon the type and quantity of product produced. All batch type discharges are combined before discharge through a common sewer.

12. Do you segregate wastewater from non process wastewater?

Yes	X	No
163		
-		

If 'yes', please describe:

13. How many discharge connections do you have to the municipal or MDC sewerage system, excluding storm drain connections?

ONE

Describe by street name and assign a number to each connections:

Connection No. Street Name

Type(s) of wastewater discharging

14. For each connection to the sewerage system listed in Item 13., complete Part II and attach hereto.

On behalf of the applicant, I hereby apply for a permit to discharge the waste(s) described herein to the sewerage systems of the municipality and the Metropolitan District Commission. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief the information submitted is true, complete and accurate.

In filing this application the applicant agrees to abide by the manicipal sewer use ordinance or bylaw and the MDC Sewer Use Rules and Regulations adopted under Chapter 92 Massachusetts General Laws, Chapter 705 of the Acts of 1945 and applicable requirements of State and Federal Laws.

	a50	
Title		

	Applicant Name User W. Killing College
	Discharge Connection Number
₽™	Municipality's Name(eg.Boston) Moburn
	••
	Part II
Characteristics	of Wastewater Discharges
Wastewater and sa	one connection with both process anitary wastewater combined, put er process wastewater and indicate ter.*
1. Volume - gallons per day	and the second s
	Volume No. of hours discharged
A) Sanitary Wastewater (domestic only)	
i) Average daily	
ii) Maximum hourly	and the state of t
iii) Maximum daily	
B) Process Wastewater	
i) Average daily	320,000 ga <u>l 15 hours</u>
ii) Maximum hourly	45,000 gph
iii) Maximum daily	340,000 gal
* iv) Types of wastewater, if applicable	······································
C) Uncontaminated Water	
i) Average daily	

	whitesur wante 10. 2 J. I. A. allian
	Discharge Connection Number
	Municipality's Name(eg.Boston)
a ™:	
	Volume No. of hours discharge
ii) Maximum hourly	
iii) Maximum daily	
D) Other	
i) Average daily	· · · · · · · · · · · · · · · · · · ·
ii) Maximum hourly	1
iii) Maximum daily	
2. Characteristics of Wastewater	• • • • • • • • • • • • • • • • • • •
A) Sanitary (domestic) if available	
BOD _S	mg/l (milligrams per liter)
Total suspended solids	mg/1
B) Process Wastewater (Flow weight	ed averages)
i)BOD ₅	1,800mg/1
Suspended Solids	3,100mg/1
Dissolved Solids	7,700mg/1
pH Average	10.8 Range 12.8-6.3
ii) Metals	Maximum daily Monthly average in mg/1 mg/1
Copper	
Chromium (+6)	

ó of

	Applicant Name_	Applicant Name John Co. Co.			
	Discharge Connection Number				
	Municipality's N	lame(eg.Boston)			
en T	Maximum daily in mg/l	Monthly average in mg/1			
Chromium(+3)	246	74-			
Cadmium	0.04	«O.01			
Nickel		•			
Zinc		***			
Lead	1.8	«1.0			
Mercury	. :				
Others:					
	**************************************	······································			
	·				
	•				
iii) Non metals	•				
Arsenic					
Cyanide	4	***************************************			
Chloride "	•				
Sulfate	·•	** · · · · · · · · · · · · · · · · · ·			
Others: Su <u>lfide</u>	520	148			
-	•				
					
iv) Hydrocarbons and Asbesto	s Compounds				
phenois					
•		•			

•		Applicant Name	JC 71 J. 11 V
	·	Discharge Connection 1	Number
		Municipality's Name (eg.Boston)oburn
• ልሚ - -		Maximum daily in mg/l	Monthly average in mg/l
benzene			
esters			
pesticides	.*	er en	
	eta,		
	•		
herbicides		· · · · · · · · · · · · · · · · · · ·	e de la companya del companya de la companya del companya de la co
			•
	•		
others:			
Grease		11,600	2,840
	-	!	
			•

C) Other wastewater - If applicable, describe as in 2.B) above.

000070

Applicant	Name	J0/26 v	•	20.11
Discharge	Connec	tion Num	ber	
Municipal:	ity's N	ame. (eg.	Boston)_	Toburn

3. Pretreatment

For wastewater discharges listed in Item 2.above, describe if applicable:

a) Pretreatment processes employed or used

A 50,000 gallon tank with a V-notch weir and freeboard is used to remove floating solids and grease.

- b) Efficiency in pretreatment, eg. % removal
- 4. Water Reclamation, if applicable:

 Describe in-plant water reuse and recycling.

METROPOLITAN DISTRICT COMMISSION 20 Somerset Street Boston, Mass. 02108

INDUSTRIAL USER PERMIT APPLICATION

FOR MDC US	E ONLY
Category 4	Other 🗆
Industry Nu	ımber
Reviewer's Initials	Date

CTION A - GENERA		🚨 existing discharg	- • • •
Business Name of Applicant	: <u>Niley bea</u>	ther Co., Inc.	
Mailing Address:	228 Sa Len	Street	
	Woburn, M	1.	Zip Code:01801
Facility Address (if differe	nt than mailing address): .		
·			<u>, '</u>
-		***************************************	Zip Code:
Person to whom permit sho	uld be mailed. Name: 🕮	arles I. Sheehan	Title: President
Person to contact concerning	g information provided he	rein. Name: <u>Charles</u>	J. Sheehan
Title: Presider	nt	Telephone No.: (617) 933-5900 :
my inquiry of those indivision is to indivision is to information, including the p	duals immediately respons ue, accurate and complet		on reported herein, I believe the nificant penalties for submitting
my inquiry of those indivi submitted information is t	duals immediately respons ue, accurate and complet	sible for obtaining the information	on mounted housin I believe the
my inquiry of those indivisubmitted information is to information, including the party Date TION B. — PRODUCT Indicate principal products responses	CT OR SERVICE INI	sible for obtaining the information. I am aware that there are significant significant. Signature of Official FORMATION as rendered; nning	on reported herein, I believe the nificant penalties for submitting (Seal if applicable)
my inquiry or mose indivisubmitted information is to information, including the party Date TION B. — PRODUCT Indicate principal products remained in products remained in products remained in the principal principal principal products remained in the principal princ	CT OR SERVICE INI manufactured and/or service Ct tle Hide Ta	sible for obtaining the information. I am aware that there are significant prisonment. Signature of Official FORMATION	on reported herein, I believe the nificant penalties for submitting (Seel if applicable)
my inquiry of those indivisubmitted information is to information, including the party. Date TION B. — PRODUCTION Products in the principal principal products in the principal princi	CT OR SERVICE INI	sible for obtaining the information. I am aware that there are significant significant. Signature of Official FORMATION as rendered: p.m.i.m.;	on reported herein, I believe that nificant penalties for submitting (Seel if applicable)

	ETROPOLITAN DISTRIC dustrial User Permit Appli		Industry Name	: Riley	Leather	Co. Inc.
Sæ	ction B - Product/Service	Information (Cant'd)				
3.	List raw materials. Include all liquids which	n are used or stored in bulk o	or in containers which	have a capacity of	greater than 5	gailons:
	Rew Meterial	Quantity Used Per	r Year	Raw Material	Quantity	Used Per Year
	_See_attache	d_list				
					-	
_						
SE	CTION C PL	ANT OPERATIONAL	CHARACTERIST	ics ·		
1.	Shift information:	(a) number of shifts per	work day: 1 🔲	2 🗷	3 🗆	: *.*. : *.*.
		(b) work days per week:	:4 ☐ · .5 💆	6 🗆	7 🗖	91.
	(c) average number of e	employees per shift: 1st	t <u>95</u>	2nd5	3rd	
	(d) shift start times:	1s1	t <u>0:00</u>	. 2nd <u>3:3</u> 0	<u>O</u> 3rd	
2.	Is operation subject to s	easonal variation: 🔲 yes	. <u>Ж</u> по			
	(a) If yes, indicate mor	iths of peak operation:		 		~~~~~
3.	Does operation shut do	wn for vacation, maintananc	e, or other reasons?	Ø yes	□ no	
	(a) If yes, indicate peri	od when shutdown occurs:_	2 week shu	tdown in su	ımmer	····
4.	Are major processes:	☐ batch ☐ co	ntinuous			
	(a) Average number of	batches per work day:	Chirty			
5.	s a Spill Prevention Cor	ntrol and Countermeasure Pl	an prepared for the fa	ncility? 🖄 ye	s 🗆 no	
SE	CTION D WA	ATER CONSUMPTION				
	Check all that apply:			rivate Well	Surface Wate	
			Cther (specify)		Suriged Trate	

. Li	st pest twelve :	months water consu	nption from water bills:		
(a)	1st 6 month	period, 19:	For all of 1984		
(b)	2nd 6 month	period, 19	2,650,000 gallons		•
	'Units are	in: 🗆 gpd	□ 100 cf □ cf □	- ·	
(c)	Volume from	other sources:	368,000 gallons		
Con	nection	connections (assign h additional connec	EWER AND COMBINED SEV a sequential connection number to	each sewer connection starti 8½x11 paper);	ng with Mo. 1)
Nu	mber	Sewer Size	Descriptive Lo Connection or	cation of Sewer Discharge Point	Average
	1	(inches)	•		(gpd)
			tanh	limentation	368,000
			catti		
·					
·					
	-				
	•				

	TROPOLITAN ustrial User Peri			SSION			Ind	dustry	Name:	·	Rile y L	eathe	r Co.	Inc.
SE	CTION F.	<u> </u>	NASTEWA ¹	TER IN	IFO!	RMATI	ON			:				
1.	Quantities in t	he tab	le below may	be expr	essed	i in the f	olic	wing ı	ınits: check	the	units you wi	ii use and	comple	to the table
		gall	ons per day			cubic fe	et p	er day	•		per cent of	total dail	y u erg e	:
											Di	scharge Lo	cation	
	Usage Type		Quantity	Pretrea	tmen	it			ry Sewer ion Number	_	Storm Drain/ Surface Water	No Dis- charge		Other (pecify)
				Yes	No	. 1	2	3_	Other					
	Sanitary (dom	estic)	N/A											
	Process		368,000	<u>(3</u>		쵠								· · · · · · · · · · · · · · · · · · ·
	Cooling Water Uncontaminate Water		1,000				0		*****		ď			a -
	Bailer	igpi		<u> </u>		X								
	In Product		$-\mathbb{R}/\Lambda$								<u> </u>			******************
	Other (specify)):												
	·			_ 0										
2.	Seasonal, batch	n and i	ntermittent d	liecharno	. Ch	ack anoli	cable	a have	-					•
		.,			. 011		Juan		.					
		Fr	equency (che	ck one)				charge	Pretreat	men	Dische	nge to Co	nnectio	a Number*
	Туре	Daily	Weekly Mo	nthly Y	early	(inc	lude	units	Yes	No	_ 1	2	3	Other
	Boiler Blowdown	(3)				A բը <u>բ</u> ը G	त्र्य	100	X		Ø		0	
	Cooling System Blowdown			Image: Control of the										
•	Plant Washdown	Œ				3 و22	<u> </u>	GPL) X		23		Ġ	
	Equipment Washdown													
	Spent Chemica Solutions				□.							0		
	Backwasn				X	_3	00	GP)	Y 👧		(3)			•
	Other (specify)): _ □									0			
,	*Box numbers enter the prope	1, 2,	3 correspond	to conn	ectio	n numbe column,	rs ir	n Sect	_					nitary sewer,

METROPOLITAN DISTRICT COMMISSION Industrial User Permit Application	Industry Na	ome: <u>Rile</u> y	Leather	Co., Inc.
SECTION G PRETREATMENT		•		
1. Is any form of pretreatment (see list below) practiced at		XI Yes	□ No	
For all waste streams which are treated before discharge facility:	, check the a	appropriate boxes fo	r types of pretrea	tment used at this
Oil Separation		Biological		
Grease Trap		Equalization		•
Sedimentation		Silver Recovery		-ij
☐ Filtration		Gasoline Trap		
☐ Chemical Addition		Other (specify):		
☐ Neutralization/pH adjustment				
Provide any additional descriptive information:		. •		
		\		
				*
				*
		,		
	····			·
				·
				· · ·
				-
•				
	·			· · · · · · · · · · · · · · · · · · ·
				
		·		
	<u> </u>			
				
				

	nit Application	maustry			lley L		
CTION H.	- NON-DISCHARGED WASTES	S					
Are any waste	iquids or sludges removed from facility si	te?	Yes	2	No		
	may best be described and quantified as:						
	уре			Estin	nated Gallor	18/Yesr	
-				,			
, [•
	_						
<u> </u>							
		-				<u> </u>	
	_				·		-
	.						
	Acids and Alkalies						
ſ	Plating Wastes						
	Pesticides		\ 		····	-	
:	Other (specify):						
•	- Control (op and)						•
		-					
		-					;
							· · · · · · · · · · · · · · · · · · ·
							-
Does your cor	noany remove the above wastes from the	facility?		Yes	□ No	N/A	;
	npany remove the above wastes from the			Yes	□ No	N/A	;
	npany remove the above wastes from the elements and address(es) of all waste hau			Yes	□ No	N/A	;
				Yes	□ No	N/A	;
If no, state the		lers.	0	Yes	□ No	N/A	
If no, state the		lers.		Yes	□ No		
if no, state the	e name(s) and address(es) of all waste hau	lers b				Zip Co	
If no, state the	e name(s) and address(es) of all waste hau	lers b					
If no, state the	Zip Code:	b.	Permit	No. (if	applicable)	Zip Co	
Permit N	zip Code: c. (if applicable) es, liquids, etc. placed with trash for dispose	b. b.		No. (if		Zip Co	
Permit N	Zip Code: c. (if applicable) es, liquids, etc. placed with trash for dispose	b. b.	Permit	No. (if	applicable)	Zip Co	
Permit N	zip Code: c. (if applicable) es, liquids, etc. placed with trash for dispose	b. b.	Permit	No. (if	applicable)	Zip Co	
Permit N	zip Code: c. (if applicable) es, liquids, etc. placed with trash for dispose	b. b.	Permit	No. (if	applicable)	Zip Co	
Permit N Are any sludg Describe:	zip Code: c. (if applicable) es, liquids, etc. placed with trash for dispose	b. b.	Permit	No. (if	applicable)	Zip Co	

Industry Name: Riley Leather Co. Inc	Industry Name:	Riley	Leather	Co	Inca
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SECTION I. - CHARACTERISTICS OF DISCHARGES

- 1. If any wastewater analyses have been performed on the wastewater discharges from your facilities attach a copy of the most recent data to this application. Be sure to include the date of the analysis, name of laboratory performing the analysis and location(s) from which sample(s) were taken (attach sketches, plans, etc. as necessary).
- 2. Please indicate by placing an "X" in the appropriate box by each listed chemical whether it is "Suspected to be Present", or "Known to be Present" in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names.

ITEM NO.	CHEMICAL COMPOUND	SUSPECTED	KNOWN PRESENT
1.	ammonia	x	
2.	asbestos (fibrous)		
3.	cyanide (total)		
4.	antimony (total)		
5.	arsenic (total)		
€.	beryllium (total)		
7.	cadmium (total)	Υ	
8.	chromium (total)		X
9.	copper (total)		
10.	lead (total)	x	
111.	mercury (total)		
12.	nickel (total)		
13.	selenium (total)		
14.	silver (total)		
15.	thallium (total)		
16.	zinc (total)		
17.	acenaphthene		
18.	acenephthylene		
19.	acrolein		
20.	acrylonitrile		
21.	aldrin		
22.	anthracene		
23.	banzena		
24.	benzidina		
25.	benzo (a) anthracene		
26.	benzo (a) pyrene		
27.	benzo (b) fluoranthene		
28.	benzo (g,h,i) perylene		
29.	benzo (k) fluoranthene		
30.	a-BHC (alpha)		
31.	b-BHC (beta)		
32.	d-BHC (delta)		
23.	g-BHC* (gamma)		
34.	bis (2-chlorgethyi) ether		
35.	bis (2-chloreethoxy) methane		
36.	his (2-chiorarsopropy)) ether		-
37.	pis (chloromethyl) ether		

ITEM NO.	CHEMICAL COMPOUND	SUSPECTED	KROWN
38.	bis (2-ethylhexyl) phthalete		
39.	bromodichloromethane		
40.	bromoform '		
41.	bromomethane		
42.	4-bromophenylphenyl ether		
43.	butylbenzyl phthalate		X
44.	carbon tetrachloride		
45.	chiordene		
46.	4-chloro-3-methylphenol		
47.	chioroberizane		
48.	chloroethane		
49.	2-chloroethylvinyl ether		
50.	chloroform		
51.	-chloromethans		1.
52.	2-chloronephthslene		
53.	2-chiorophenol		
54.	4-chlorophenylphenyl ether		
55.	chrysene		†
56.	4,4' - DDD		1
57.	4.4' - ODE		
58.	4,4' - DOT	- :	+
59.	dibenzo (a,h) anthracene		+
60.	dibromochloromethene		1
61.	1, 2-dichlorobenzene		X
62.	1, 3-dichlorobenzene		1
63.	1, 4-dichlorobenzane		1
64.	3, 3'-dichlorobenzidine	···	+
65.	dichlorodifluoromethene		+
6 6 .	1, 1 -dichlorgethene	-	
67.	1, 2-dichloroethane		1
68.	1, 1 -dichloroethene		1
69.	trans-1, 2-dichloroethene		x
70.	2, 4-dichlorophenal		1.
71.	1, 2-dichloropropane		
72.	(cis & trans) 1, 3-dichloro-		
	propens		
73.	dieldrin		1
74.	diethyl phthaiate		1
75.	2, 4-dimethylphenol		+

METROPOLITAN DISTRICT COMMISSION Industrial User Permit Application

Industry Name:	Riley	Leather	Co.	Inc.

Section I. - Characteristics of Discharges (Cont'd)

Chemical Compound Table (Cont'd)

Chem	ical Compound Table (Cont'd):				
ITEM NO.	CHEMICAL COMPOUND	SUSPECTED	PRESENT	KNOWN	PRESENT
76.	dimethyl phthalate				
77.	di-n-butyl phthalate	_			_
78.	di-n-octyl phthalate	1		_	
79.	4, 6 dinitro 2-methylphenol				_
80.	2, 4-dinitrophenol	1			_
81.	2, 4-dinitrataluene	1	\neg		_
82.	2, 6-dinitrotoluene	1			
83.	1, 2-diphenylhydrazine	1	7		-
84.	endosulfan i	+-	_		_
85.	endosulfan II	+			
86.	endosulfan sulfate	+			
87.	endrin	1	_		
88.	endrin aldenyde	1-	-		
89.	ethylbenzene	X	\neg		
90.	fluoranthene	1			_
91.	fluorene		Ī		_
92.	heptachlor		7		_
93.	heptachlor epoxide	 	7		_
94.	hexachlorobenzene	+	+	-	-
95.	hexachlorobutadiene	1	7		
96.	hexachlorocyclopenta-	1-	⇁		-
	diene	1	`		
97.	hexachloroethane				_
98.	indeno (1,2,3-cd) pyrene	 	7		_
99.	isophorone		7		_
100.	methylene chloride	Π	7	_	_
101.	naphthalene	-	+	X	
102.	nitrobenzene	_	7	_شئ	_

ITEM NO.	CHEMICAL COMPOUND	SUSPECTED PRESENT KNOWN	PRESENT
104.	4-nitrophenol		
105.	n-nitrosodimethylamine		_
106.	n-nitrosodiphenylamine		_
107.	n-nitrosodiphenylamine		_
108.	PCB-1016		_
109.	PCB-1221		_
110.	PCB-1232		_
111.	PCB-1242		_
112.	PCB-1248		_
113.	PC8-1254		_
114.	PCB-1260		_
115.	pentachlorophenol		_
116.	phenanthrene		-
117	phenol	Х	_
118.	pyrene		_
119.	2.3,7,8-tetrachlorodi-		_
	benzo-p-dioxin	;	_
120.	1,1,2,2-tetrachioroethane	7	_
121.	tetrachloroethene	X	_
122.	taluene	X	-
123.	toxaphene		_
124.	1,2,4-trichlorobenzene		_
125.	1,1,1-trichloroethane		_
126.	1,1,2-trichloroethane		-
127.	trichloroethene	X	_
128.	trichlorofluoromethane		_
129.	2,4,6-trichlorophenol		
130.	vinyl chloride		
			-

3. Please list and provide the average concentration in discharged wastewater. If concentration is not known indicate by "-" (attach additional sheets if needed). Include all chemical compounds "Known Present" in the previous section.

TEM NO.	CHEMICAL COMPOUND	ANNUAL USAGE (LBS)	DISCHARGE CONCEN: TO TRATION TO	ITEM NO.	CHEMICAL COMPOUND	ANNUAL USAGE (LBS)	DISCHARGE CONCEN. TO TRATION TO
ļi	BGD5		1628	-61	1.2-dichlorobenz	ene	0.013
	Total Suspended Solids		2087	69	Trans- 1.2-dichloroetha	ne	0.010
	Settlesore Solids		11_11	<i></i>			
	Dissolved Solids		500	101	naphthalene		0.006
	он 4.7-10.7			121	tetrachloroethen	е	0.020
1	Chromium		54	127	tetrachloroethen	е	0.030
41	Butylhenzyl phtha	late	0.007				

METROPOLITAN DISTRICT COMMISSION Industrial User Permit Application

--- Accaehod List---

Section B: Part 3 -- Elst Naw Materials (Liquids greater than 5 gals)

Raw Material	Quantity Used Per Year
Molasses	165,880 lbs.
Sodium Bichromate (65%)	100,000 108.
Sulfuric Acid	002,970 lbs.
Formic Acid	1,112,000 lbs.
	7,200 lbs.
Acetic Acid	180 lbs.
Sodium Tetrasulfide	39,600 lbs.
TrisButoxyethyl Phospha	te 1,840 lbs.
Caustic Potash	40 gals.
Butyl Acetate	1,320 gals.
Butyl Cellosolve	660 gals.
Diisobutyl Retone	ooo gars.
	2,420 gals.
Tan Room Proprietary	
Chemicals (total)	20 200
(00 002)	22,370 gals.
Color Room Proprietary	
Chemicals (total)	61,830 gals.
	ATIONO ROTA.
Finish Room Proprietary	
Chemicals (total)	51.430 male
The second section of the contract of the cont	DI.44O pala